

CLAIMS:

1. A method for creating a collection of selected geographical positions using a hand portable mobile
5 terminal (1) having a geographical position system (38,50), a display (3) and a memory (17a,17b) for containing the collection of selected geographical positions, comprising the steps of:
obtaining or determining the current geographical
10 position of the mobile terminal (1);
assigning a name to the current geographical position of the mobile terminal (1);
assigning a category to the current geographical position of the mobile terminal (1); and
15 storing the obtained position in the memory (17a,17b) upon a user input to create a collection of selected geographical positions in the memory.
2. A method according to claim 1, further comprising the
20 step of showing on said display (3) a map illustrating a plurality of collected geographical positions.
3. A method according to claim 1, further comprising the
step of showing on said display (3) a map illustrating a
25 plurality of collected geographical positions belonging to a selected category.
4. A method according to any of claims 1 to 3, wherein
said mobile terminal (1) has a plurality of operating
30 modes including one recording mode in which pressing of the at least one key (9) causes the current geographical position to be saved.

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5. A method according to any of claims 1 to 4, wherein the mobile terminal (1) has means for performing mathematical operations, further comprising the step of performing statistical and/or probability analysis on the collection
5 of geographical positions.

6. A method according to any of claims 1 to 5, wherein the analysis preferably comprises analysis of area related density of geographical positions, preferably selectively
10 within geographical positions with a given attribute or with attributes within a given group.

7. A method according to any of claims 1 to 6, wherein the mobile terminal is provided with means for communicating
15 data to other terminals, further comprising the step of the mobile terminal sending geographical positions stored in the memory (17a,17b) to other terminals and/or receiving geographical positions from other terminals.

20 8. A method according to claim 7, wherein the mobile terminal has an RF or IR receiver/transmitter (19,35,36), further comprising the step of sending and/or receiving geographical positions via an RF or IR based communication channel.

25 9. A method according to claim 8, wherein the mobile terminal is a mobile phone (1) or a communicator for use in a wireless cellular communication network and capable of sending and receiving text messages, further comprising
30 the step of sending a text message including at least one geographical position from the memory, preferably including any associated attribute of the geographical position concerned, to one or more remote terminals.

10. A method according to claim 9, wherein said one or more remote terminals are mobile phones (1) or communicators, and one of the mobile phones (1) or communicators functions as a server with a database of geographical positions.

11. A method according to claim 8, wherein a server having a database containing geographical positions received from remote terminals is connected to the cellular network.

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12. A method according to any of claims 5 to 11, further comprising the step of generating a map for illustrating the result of the statistical and/or probability analysis, preferably by generating and displaying a map of an area with a given density or density range of geographical positions with a given attribute or with attributes within a given group.

13. A method according to any of claims 1 to 12, wherein the attribute comprises a time and date stamp and/or a sound file, and/or an image file, and or a motion video file, and/or a text file.

14. A hand portable mobile terminal (1) comprising means for determining a current geographical position of the mobile terminal (38,50), said mobile terminal (1) comprising:

a processor (18);

a memory (17a,17b) for storing selected geographical positions,

a user interface including a number of keys (2,9,10) and a display (3);

said terminal (1) being able to assume a recording mode;

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said processor (18) being configured to store a present geographical position in said memory (17a,17b) when a predetermined key (9) of the mobile terminal (1) is pressed in the recording mode; and
5 said processor (18) being configured to prompt the user upon storing a geographical position to assign a name and a category to a stored position.

15. A mobile terminal (1) according to claim 14, wherein
10 said processor (18) is configured to show, upon user input, a map illustrating a plurality of collected geographical positions on said display.

16. A mobile terminal (1) according to claim 14, wherein
15 said processor (18) is configured to show, upon user input, a map illustrating a plurality of collected geographical positions belonging to a selected category on said display.

20 17. A mobile terminal (1) according to claim 15, further comprising means for performing statistical and/or probability analysis on the geographical positions.

25 18. A mobile terminal (1) according to any of claims 14 to 17, further comprising an RF or IR transmitter/receiver (19,35,36) for sending geographical positions from the memory (17a,17b) to other terminals or receiving geographical positions from other terminals.

30 19. A mobile terminal (1) according to any of claims 14 to 18, the mobile terminal being a mobile phone (1) or a communicator for use in a wireless cellular communication network and comprising means for sending and receiving text messages that include at least one geographical

position, and preferably include any attribute associated with the geographical position concerned.

20. A mobile terminal (1) according to any of claims 14 to 5 21, wherein the means for storing a current geographical position in the memory (17a,17b) upon a user input is a software application on the mobile terminal (1).

21. A mobile terminal according to any of claims 17 to 20, 10 further comprising means for of generating and displaying maps illustrating the result of the statistical and/or probability analysis.

22. An application, preferably a downloadable application, 15 for creating a collection of selected geographical positions on a hand portable mobile terminal (1) having a geographical position system (38,50) and a memory (17a,17b) for containing the collection of selected geographical positions, the application comprising:

20 means for obtaining or determining the current geographical position of the mobile terminal (1);
means for storing the obtained position in the memory (17a,17b) upon a user input;
means for prompting the user to assign a name to the
25 stored geographical position of the mobile terminal (1); and
means for prompting the user to assign a category to the stored geographical position of the mobile terminal to create a collection of selected, labeled
30 and categorized graphical positions in the memory.

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